IN THE CLAIMS:

These claims will replace all prior versions of claims in the present application.

1. (Currently Amended) A method of manufacturing a heat-resistant ceramic core with a three-dimensional shape used to cast a hollow flow passage inside by precision casting, comprising:

a powder lamination shaping step for forming ~~a~~ an oxide ceramic core with the three-dimensional shape from resin-covered ceramic powder;

an impregnation step for impregnating oxide ceramics reinforcing liquid into the formed ceramic core; and

a sintering step for sintering the impregnated ceramic core in an atmosphere at 1100 degrees centigrade or more to strengthen the heat resistance thereof,

wherein the impregnated ceramic core is placed in heat-resistant powder, which prevents the impregnated ceramic core from deforming, and the said core is heated together with the heat-resistant powder.

2. (Currently Amended) The method of manufacturing the heat-resistant ceramic core with a three-dimensional shape specified in claim 1, wherein the said oxide ceramics reinforcing liquid comprises colloidal silica, silica precursor, alumina sol, yttrium oxide sol, niobium oxide sol, or zirconia sol.

3. (Cancelled)

4. (Currently Amended) A super-alloy precision cast product produced by using the ceramic core based on the method specified in ~~any~~ either of claims 1 ~~through 3~~or 2.